

FIG. 1

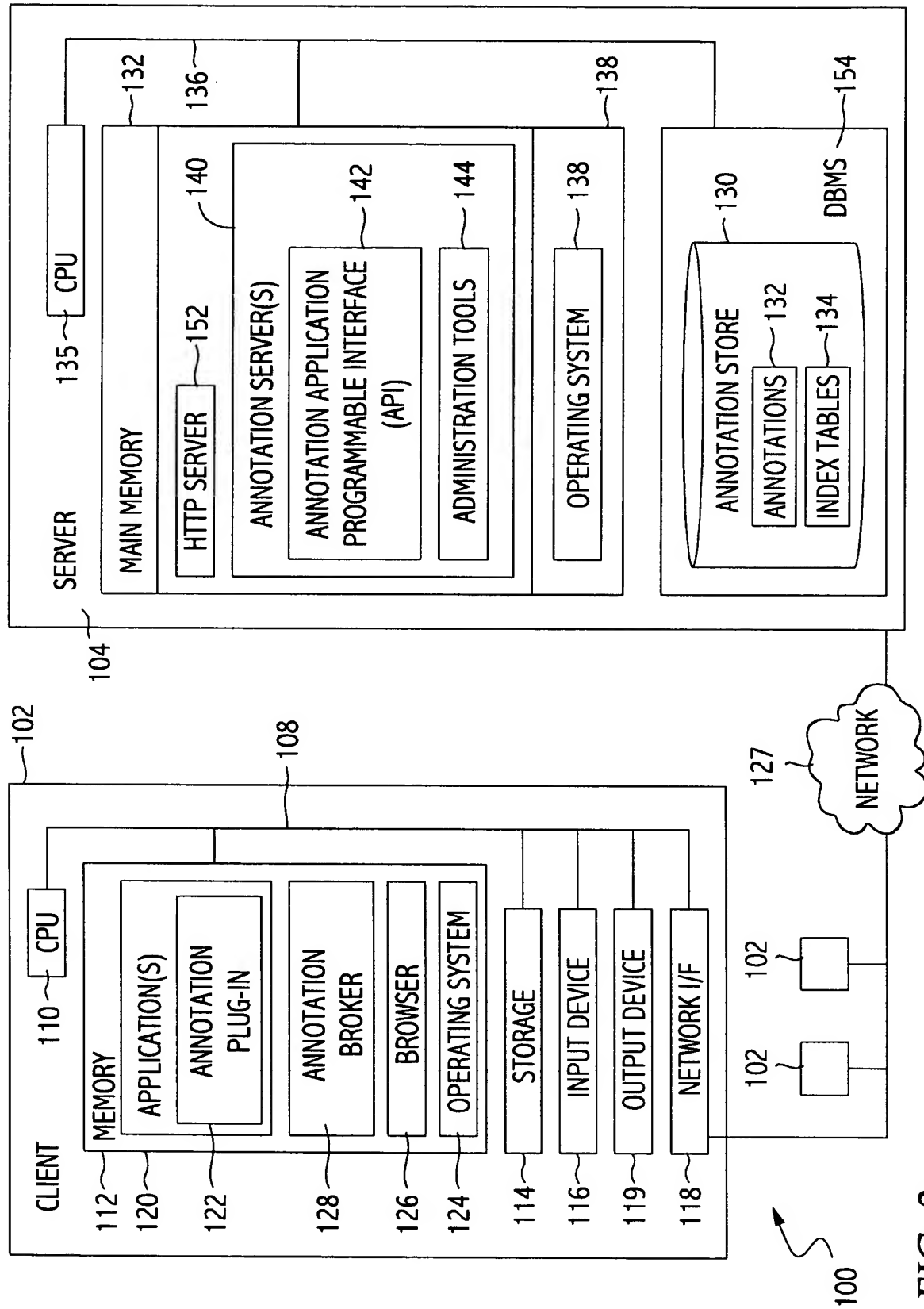


FIG. 2

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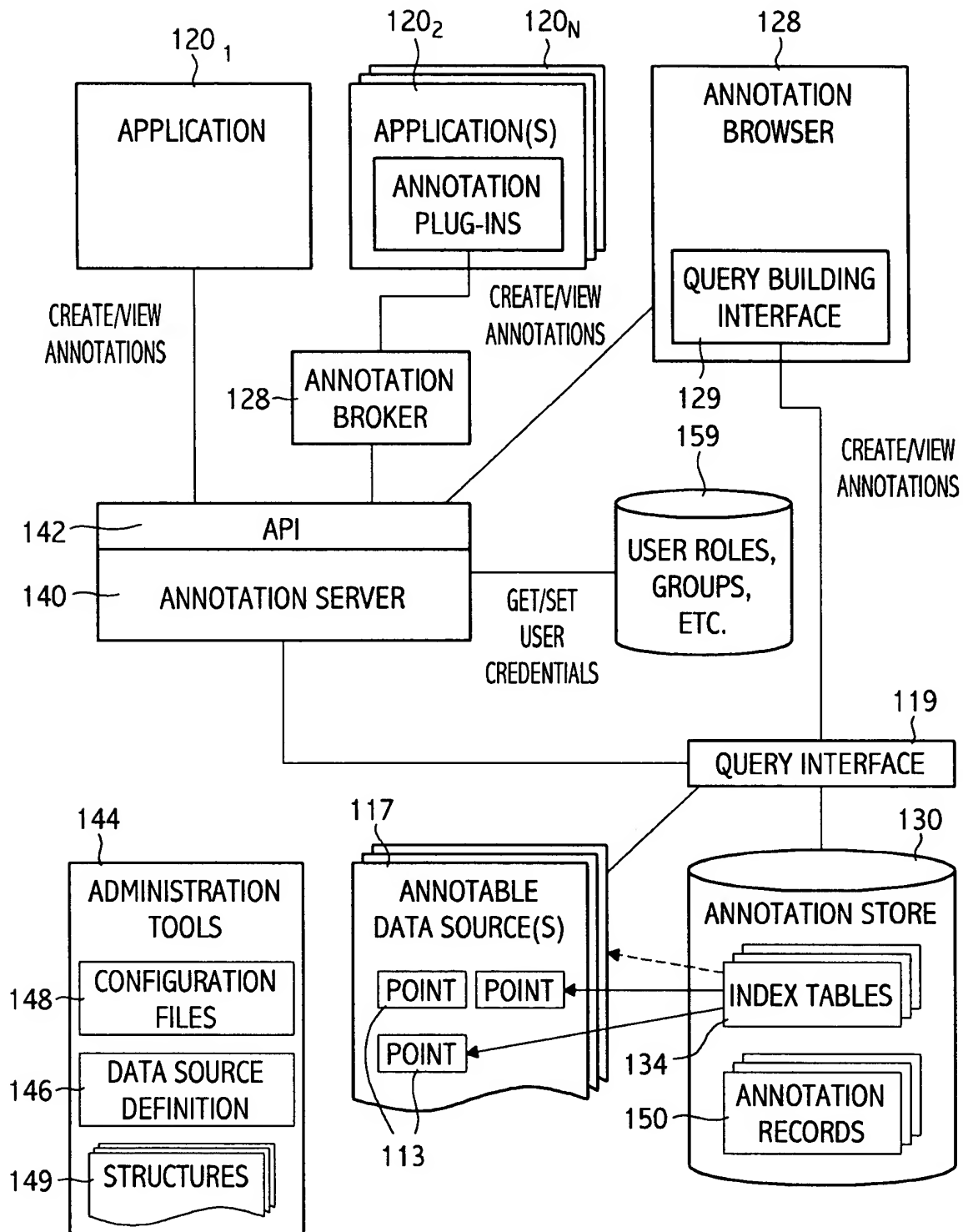


FIG. 3A

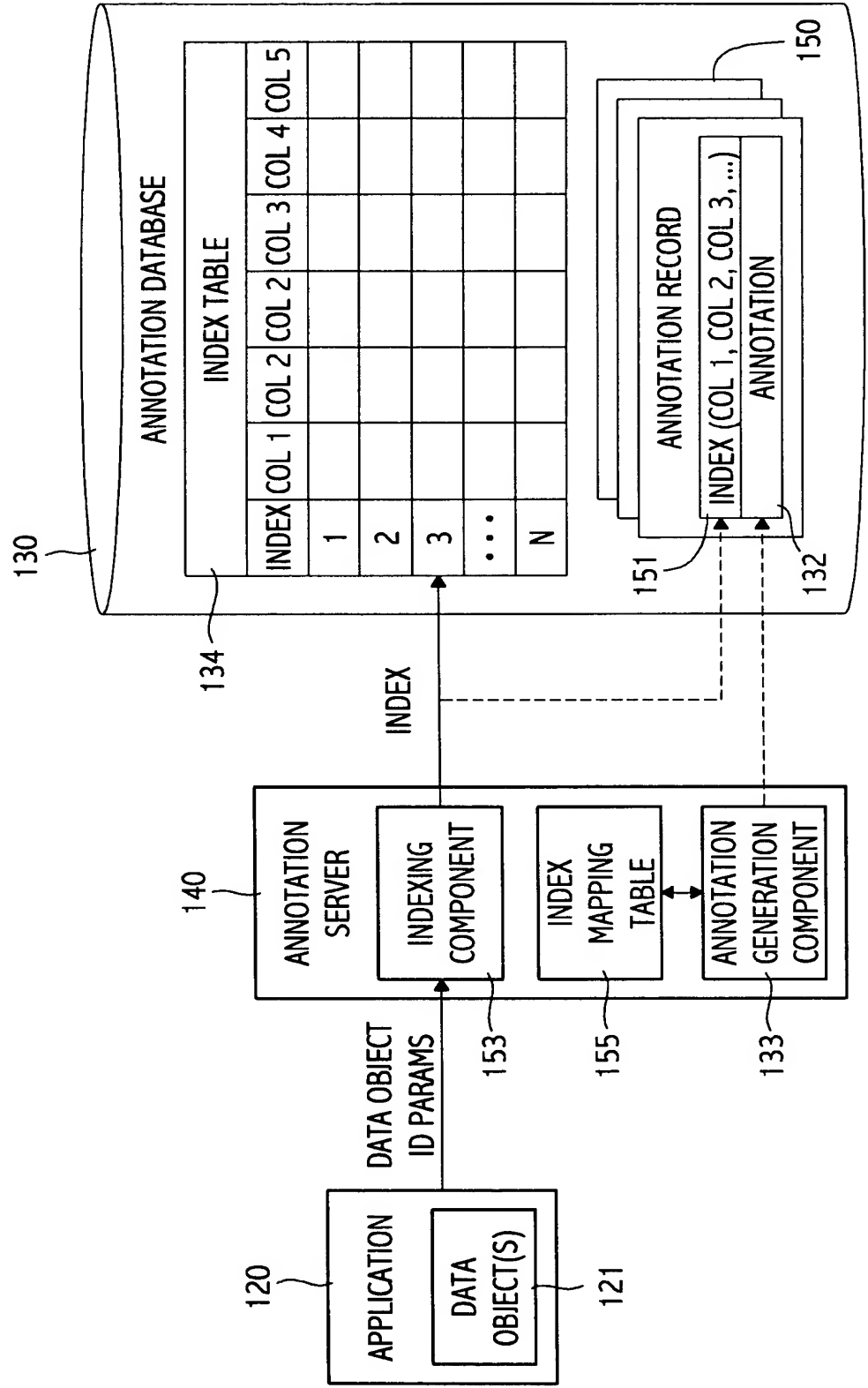


FIG. 3B

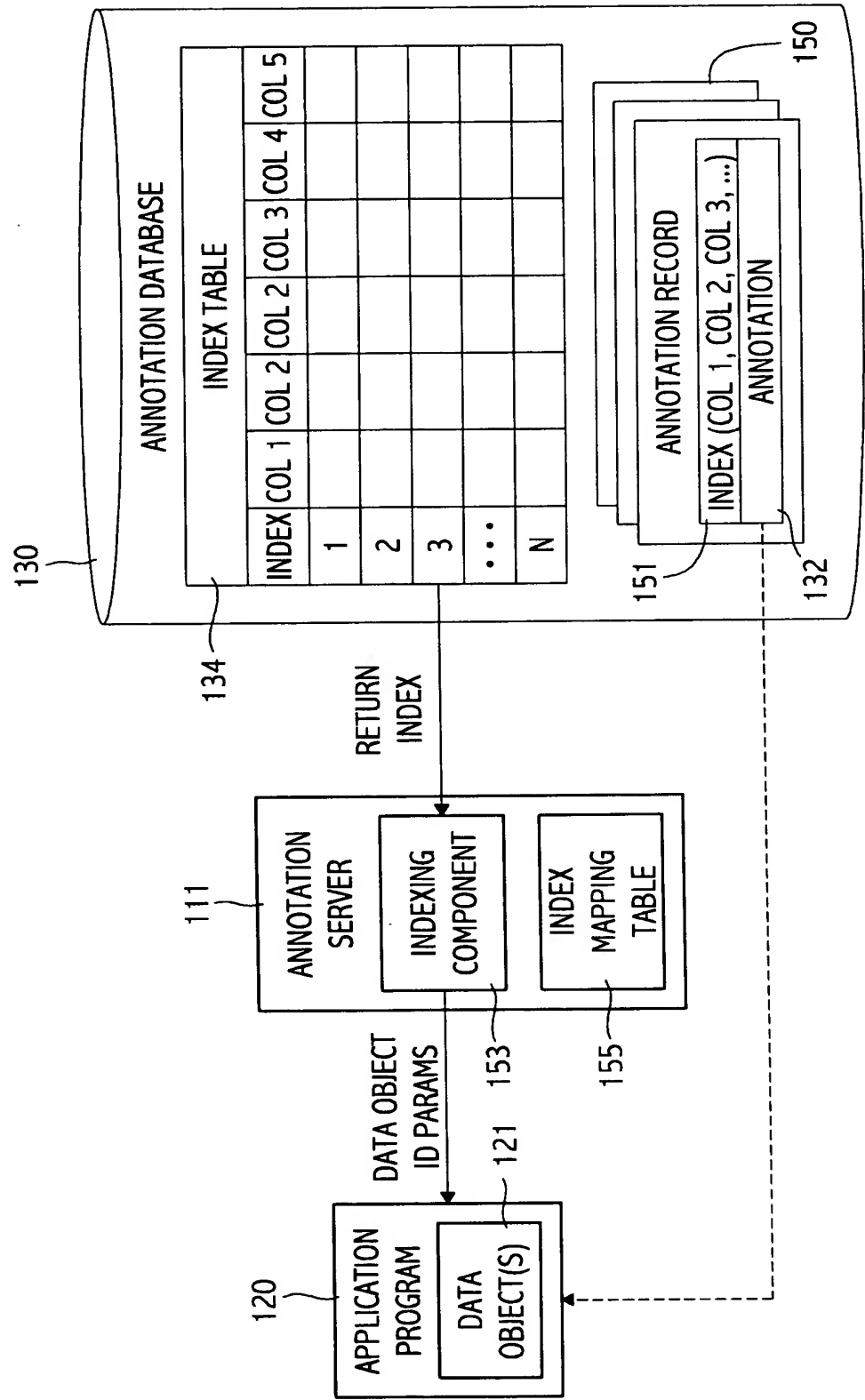



FIG. 3C



API FUNCTION	DESCRIPTION
QueryRoles	Get a list of roles for the user.
SetRole	Set the active set of roles for the session.
Query Structure Names	Given the data source type and subtype of the target documents and all of the points in those documents the user wants to annotate, return the list of available structures.
QueryStructureTransforms	Given an annotation type returned from QueryStructureNames API, return an array of URLs to XSL transforms.
QueryPoints	Given a GUID, and list of DataSourceVersions, return a list of data sources and the points in the data sources.
QueryAnnotationIDS	Given a list of search criteria, return an array of annotation GUIDs that match the criteria.
GetAnnotation	Return the annotation data for a given GUID
CreateAnnotation	Create a new annotation with provided data and access control information
UpdateAnnotation	Replace specific fields in an annotation which results in a new version of the annotation
DeleteAnnotation	Delete (or hide) the specified annotation
AddPoint	Take an existing Annotation and add a new annotated point to it
DeletePoint	Delete a point from an annotation
QueryAllowedPointTypes	Return the allowed point types and subtypes given a data source type and subtype
QueryDataSourceSubtypes	Return the configured data source subtypes given a data source type

FIG. 3D

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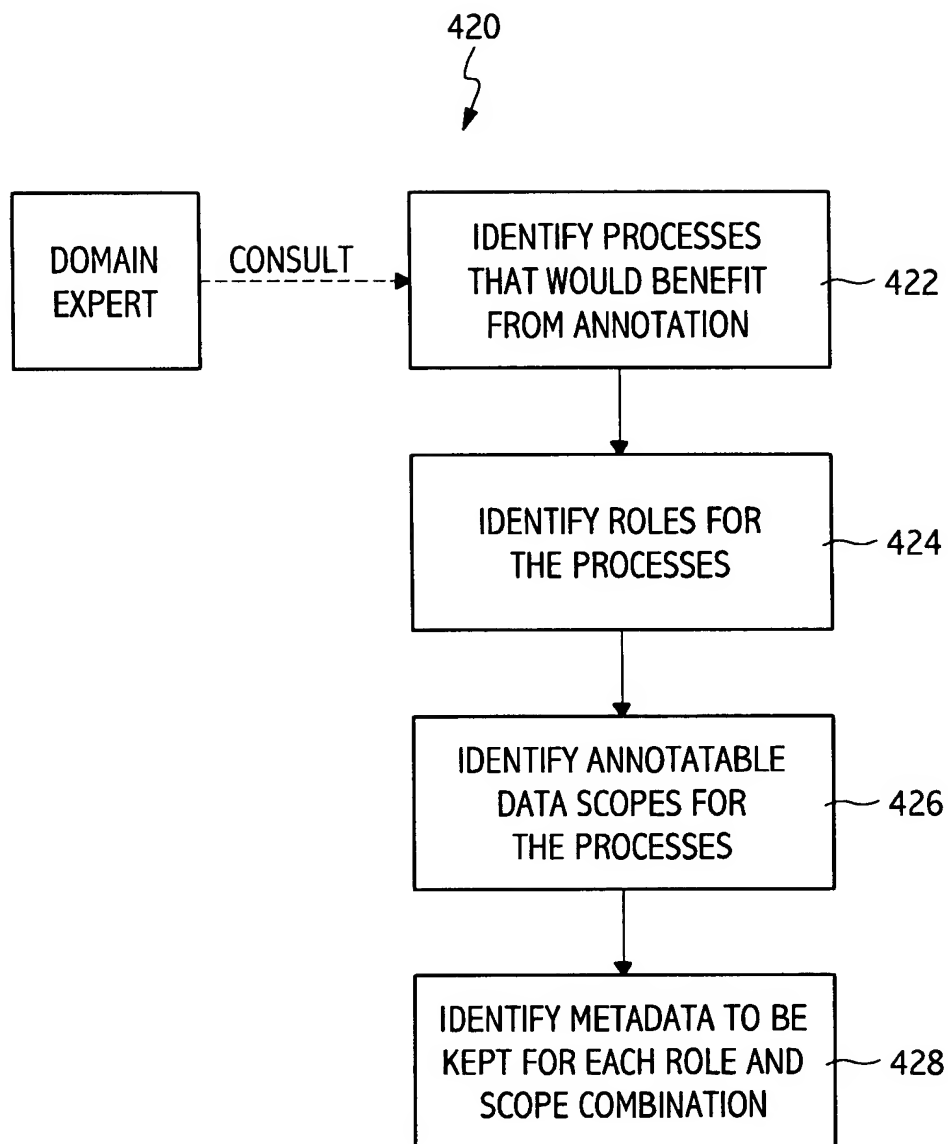


FIG. 4A

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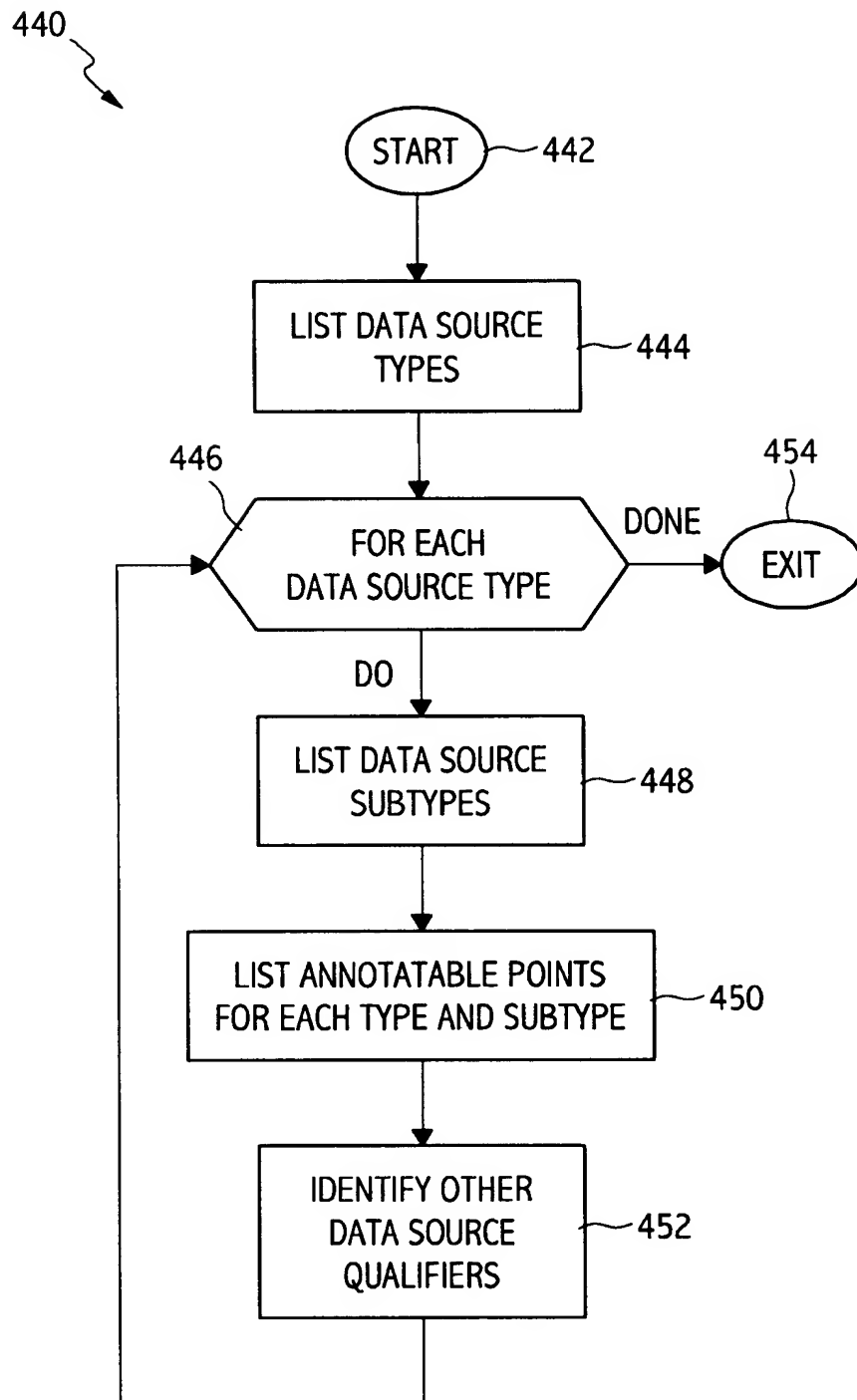


FIG. 4B

Data Source Type	Point Type	Meta Information
Relational (and Excel)	Table	Table Name
	Column	Table Name, Column Name
	Cell	Table Name, Key, Column Name
	Row	Table Name, Key
Word Document/HTML file	Document	Path
	Word Range	Path, Start character, End character
Spotfire File	Spot	Context, View, Marked Record, Column
	Cluster	Context, View, Marked Record, Column
	Row	Context, View, Marked Record
	Column	Context, View, Column
	File	Context, View
Pdf (requires Adobe Framemaker)	Text	Page, Start word, End word, Start of set, End of set
	Graphic	Page, Top, Left, Bottom, Right

FIG. 4C

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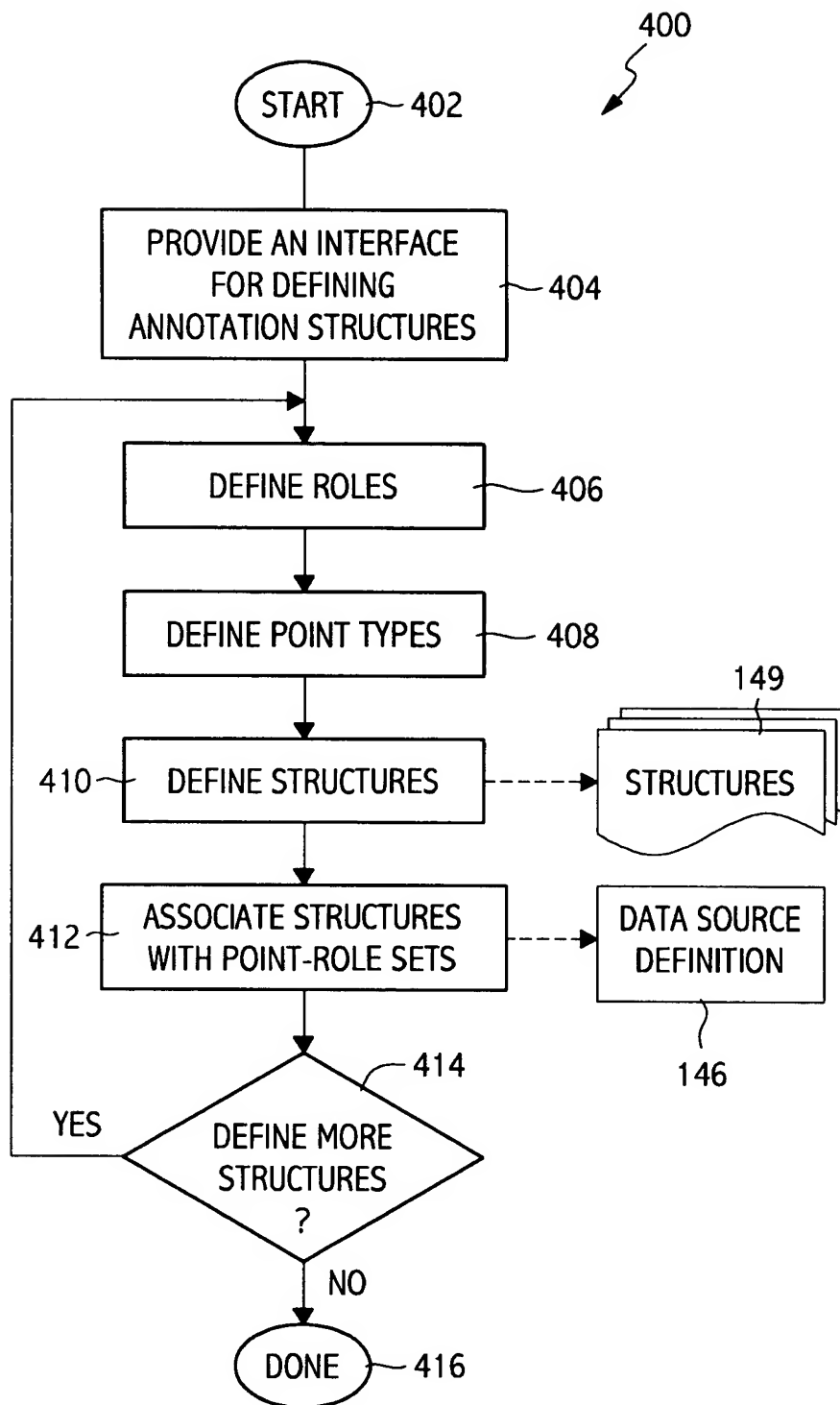


FIG. 4D

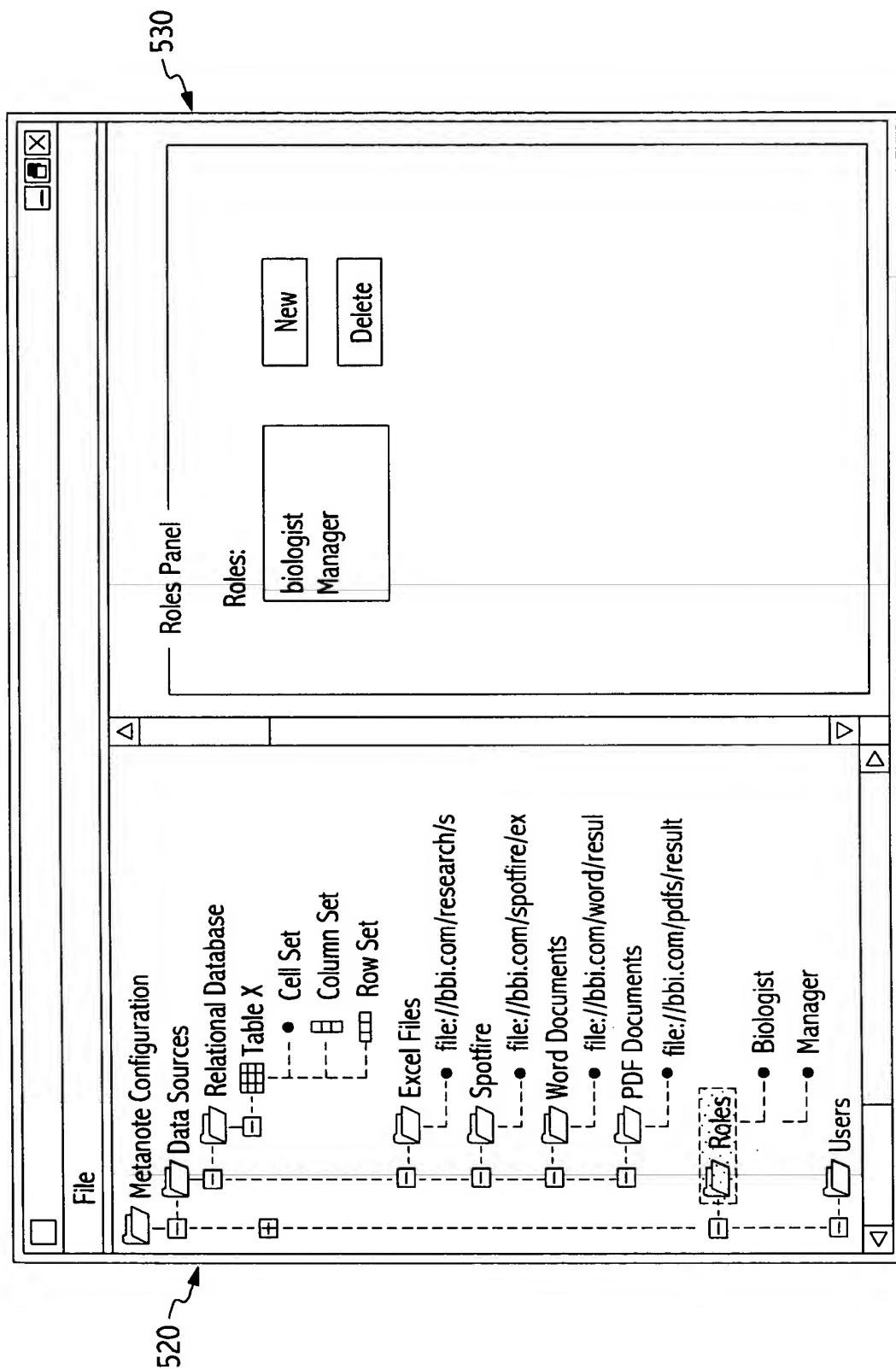


FIG. 5A

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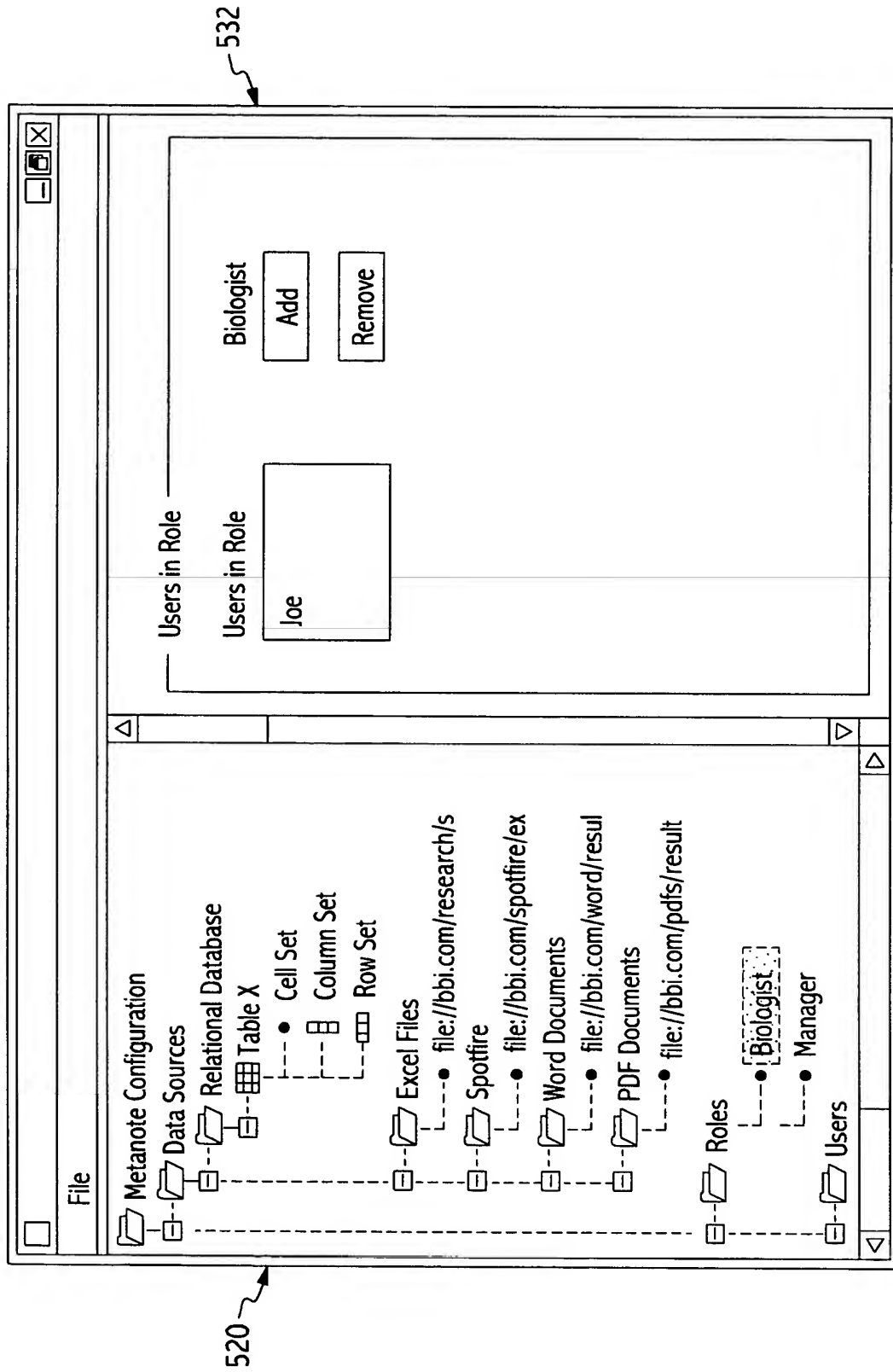


FIG. 5B

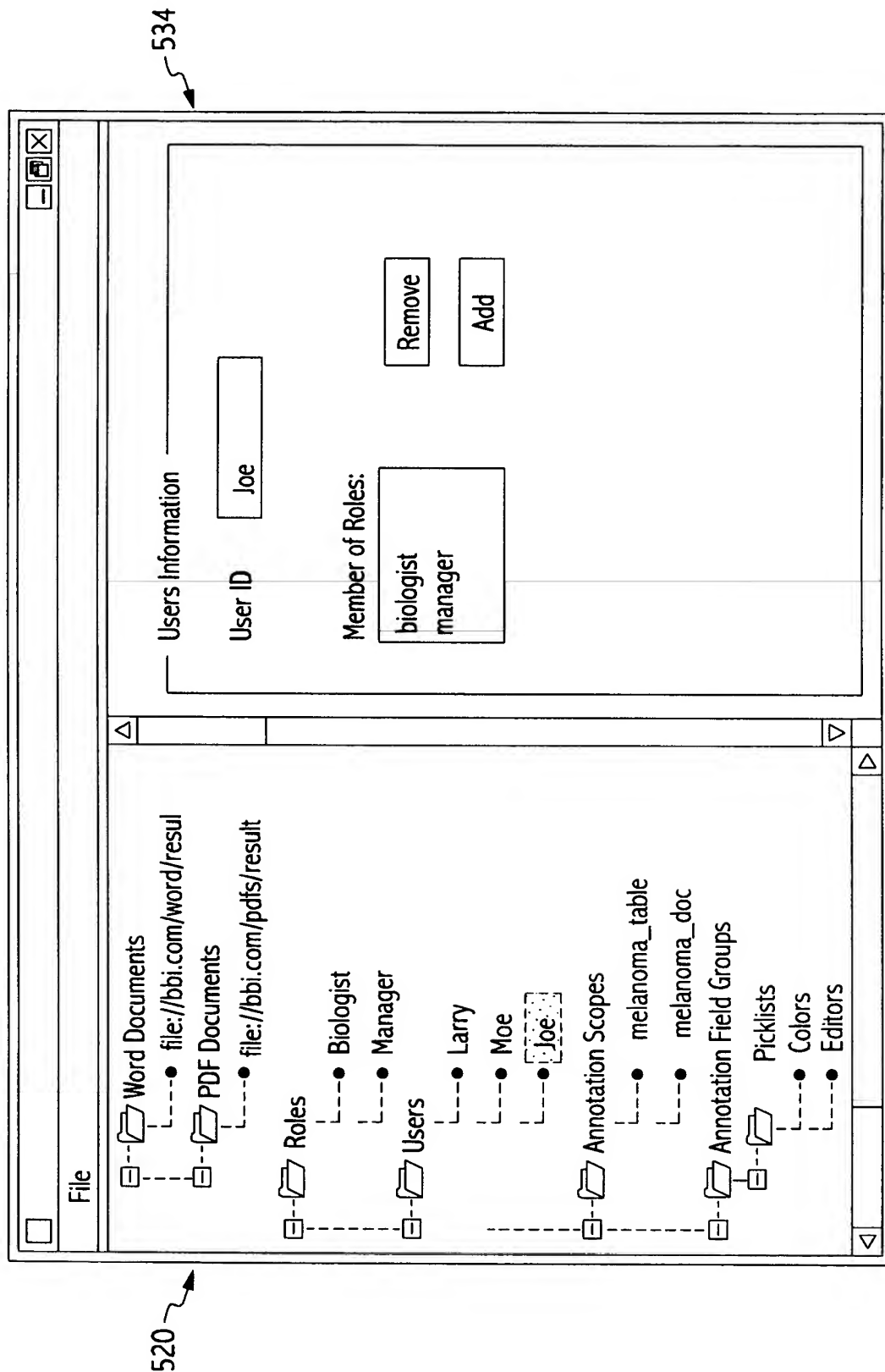


FIG. 5C

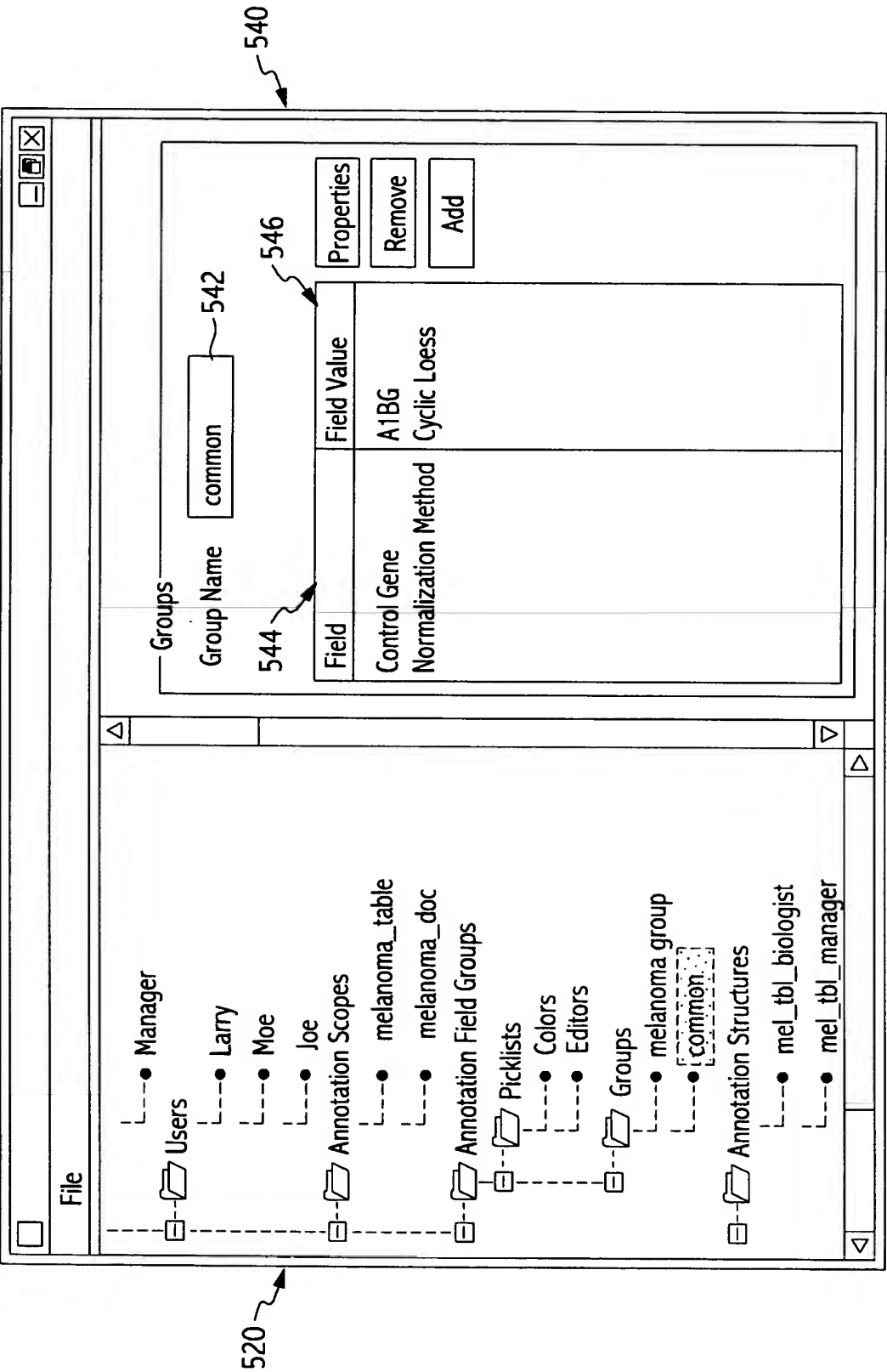


FIG. 5D

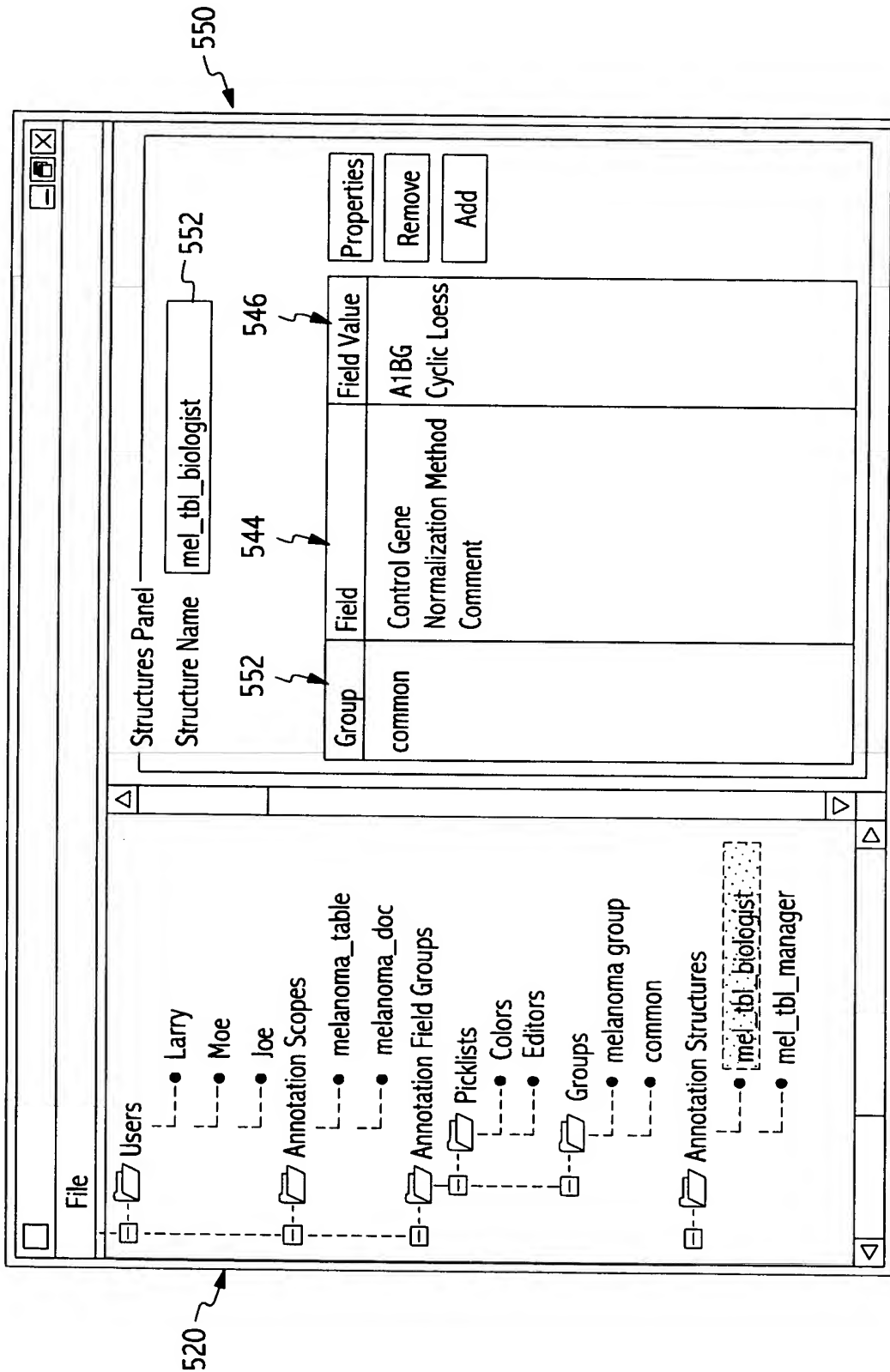


FIG. 5E

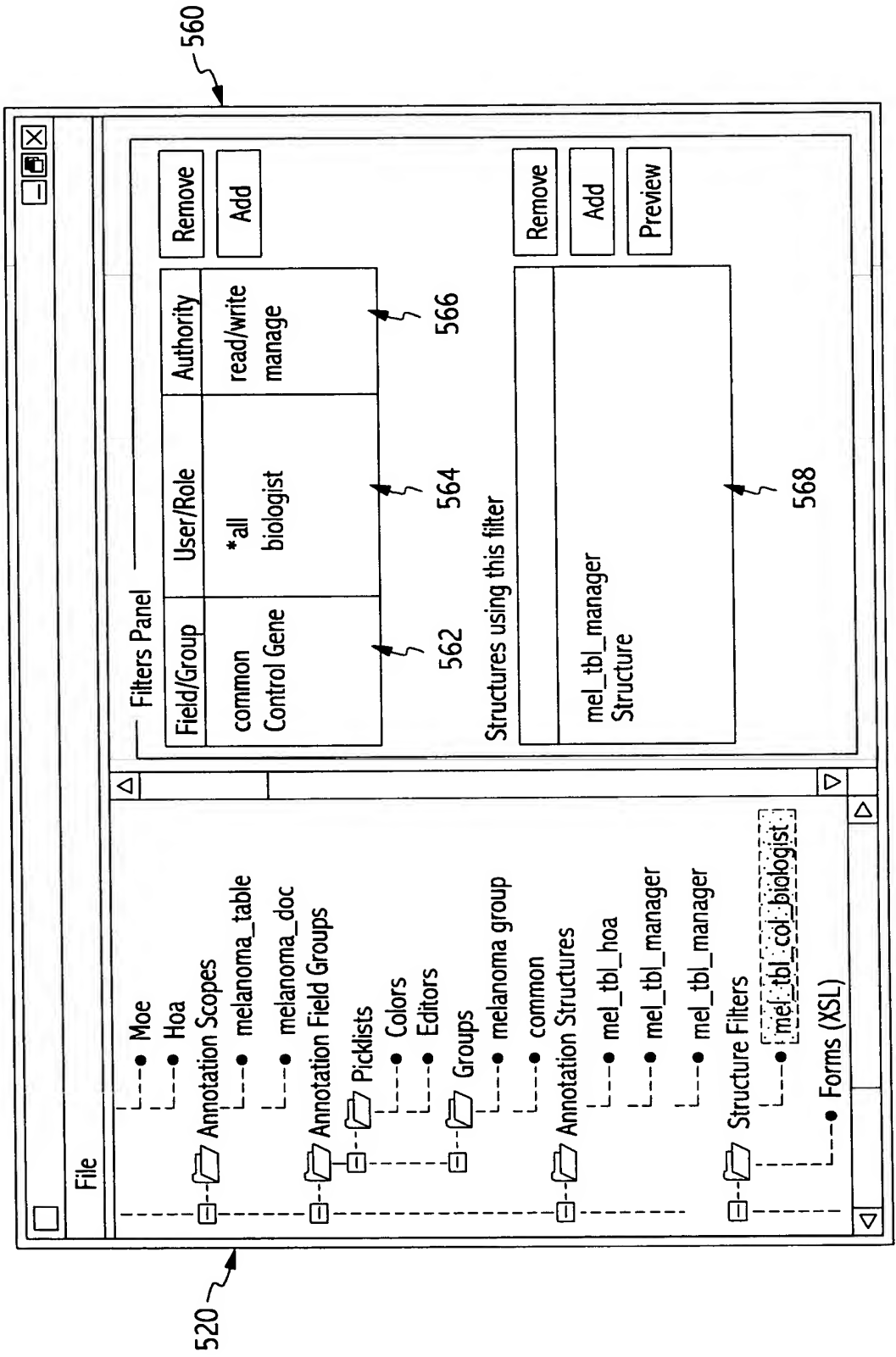


FIG. 5F

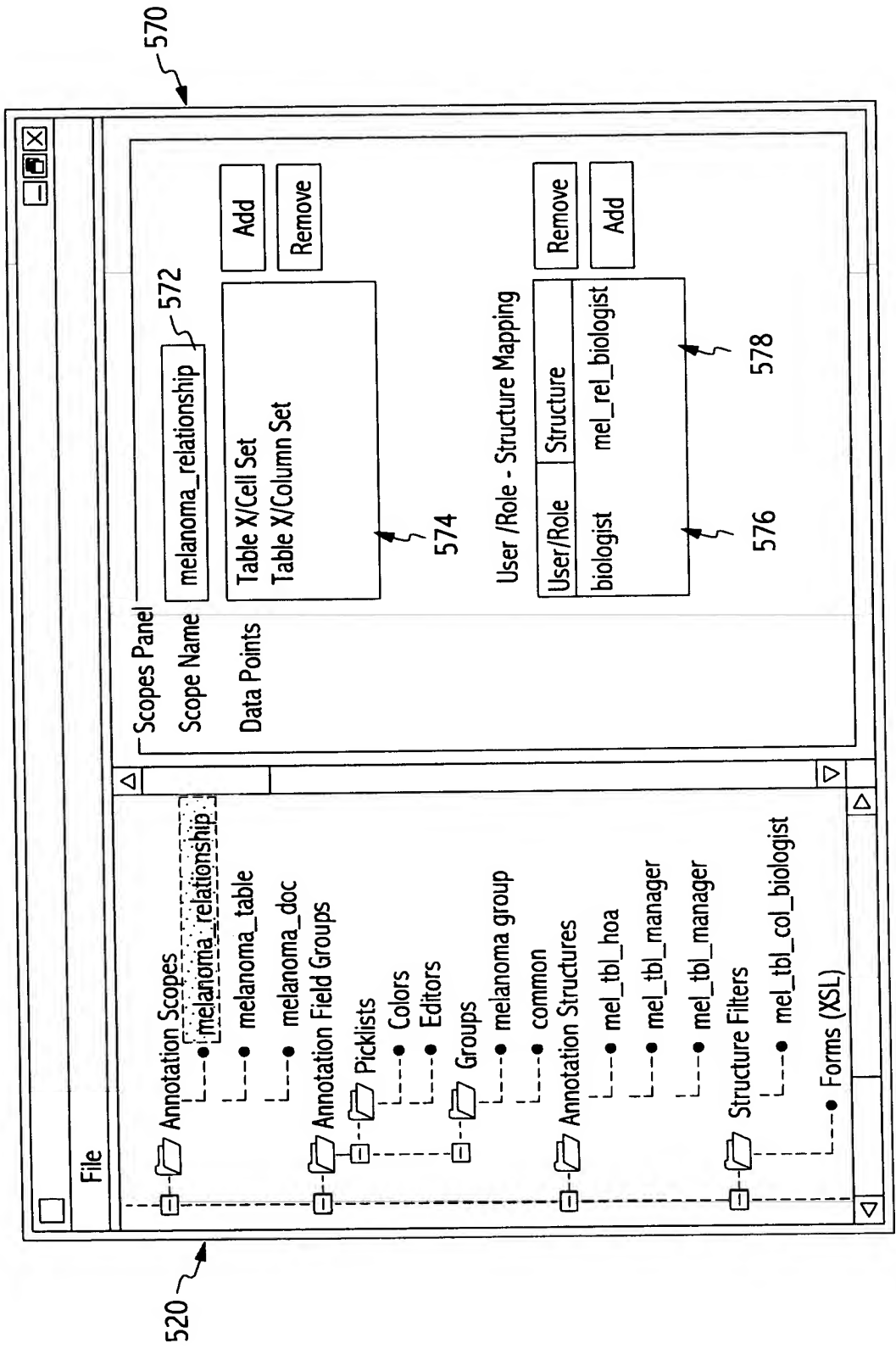


FIG. 5G

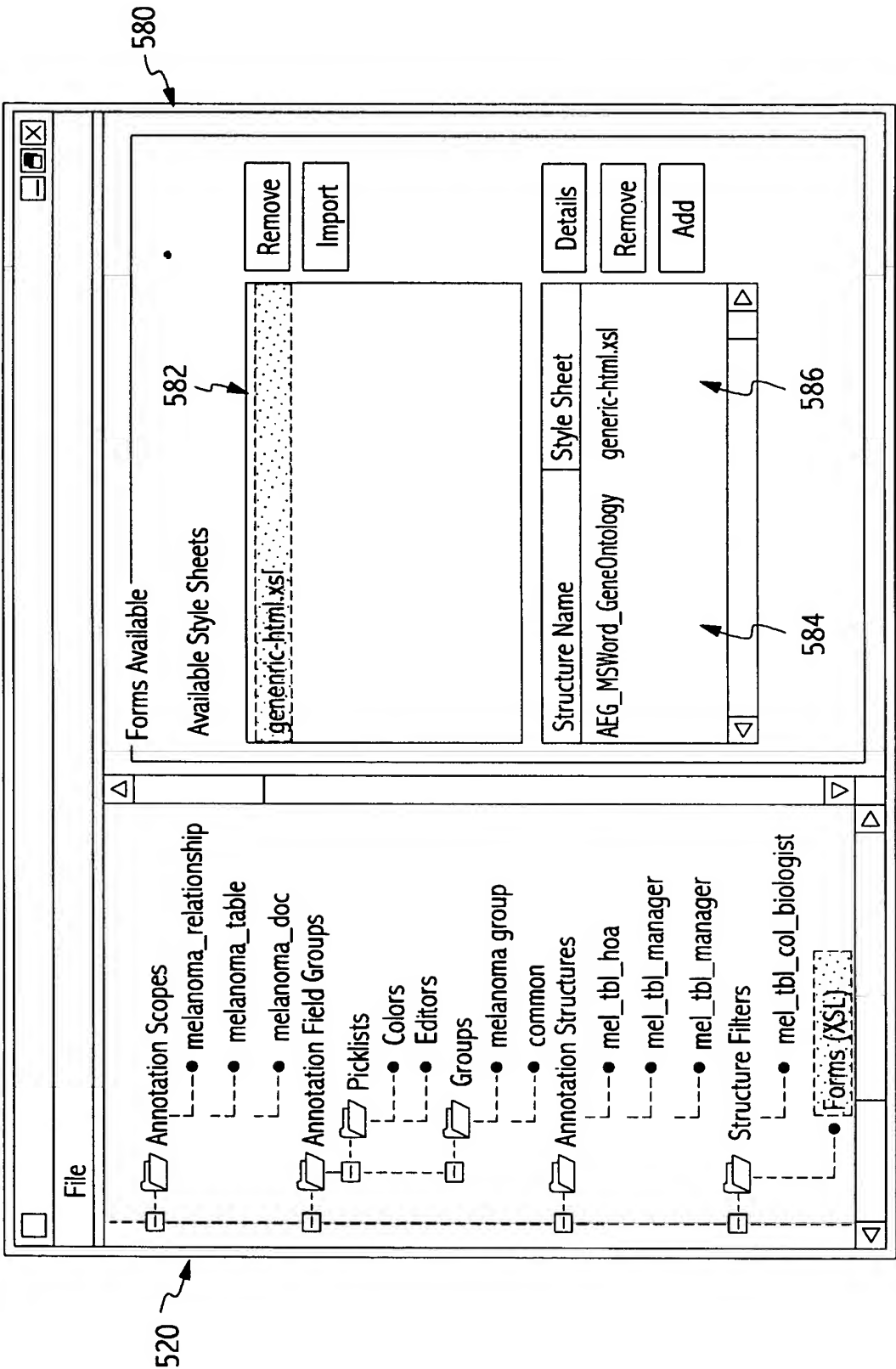


FIG. 5H

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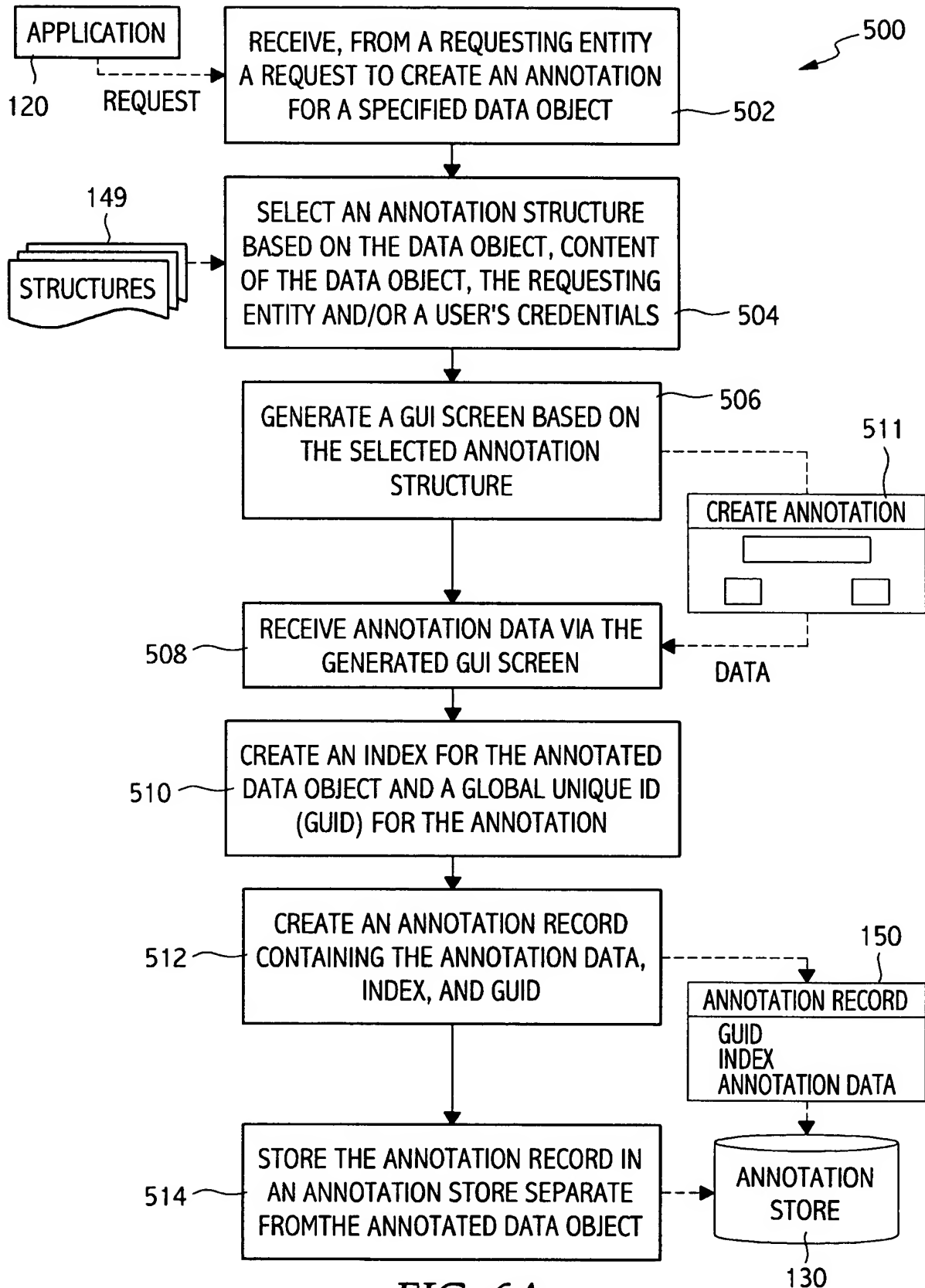


FIG. 6A

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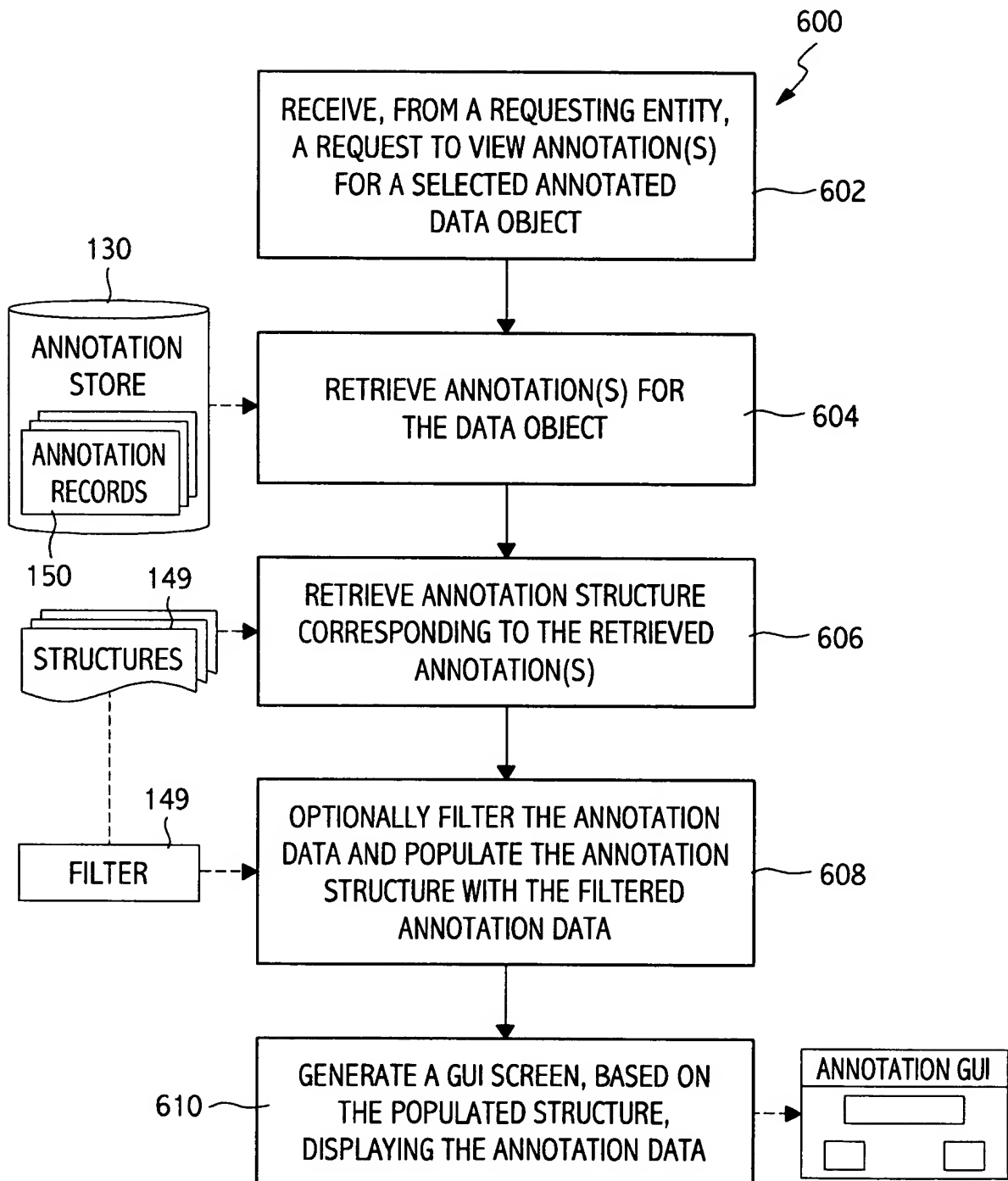


FIG. 6B

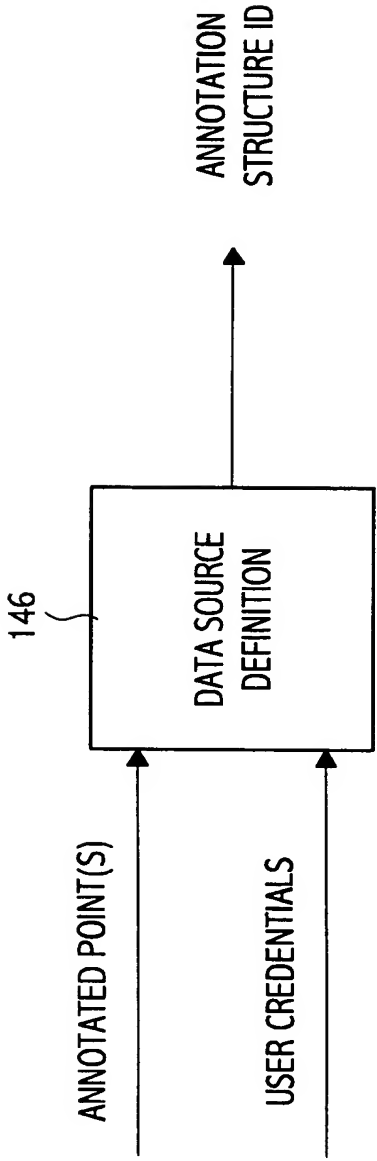


FIG. 7A

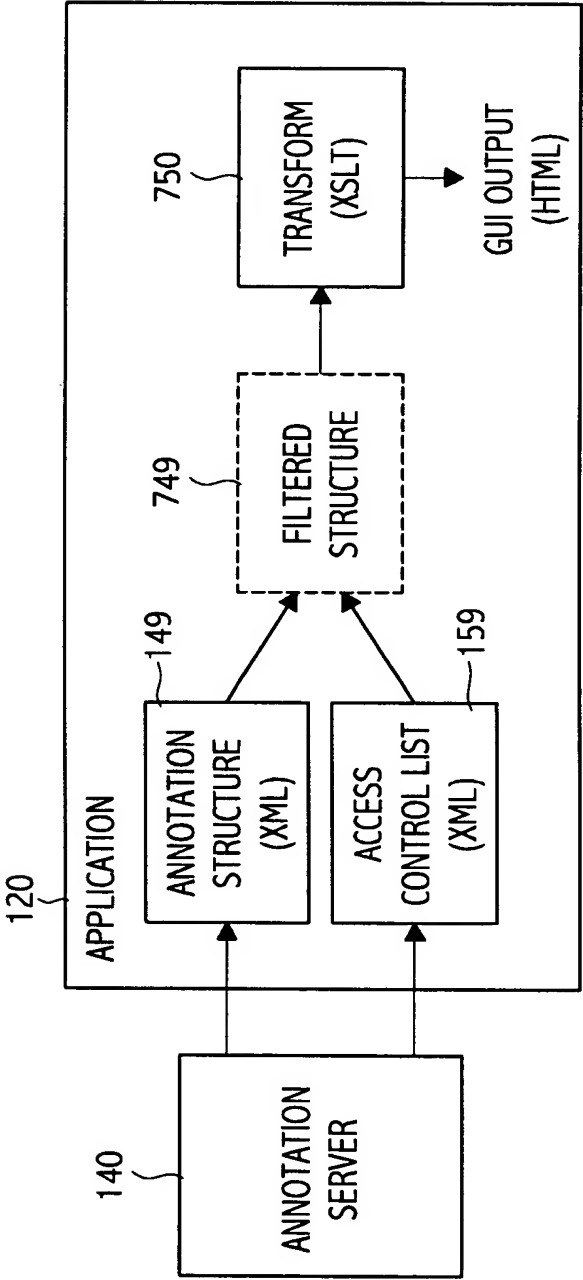


FIG. 7B

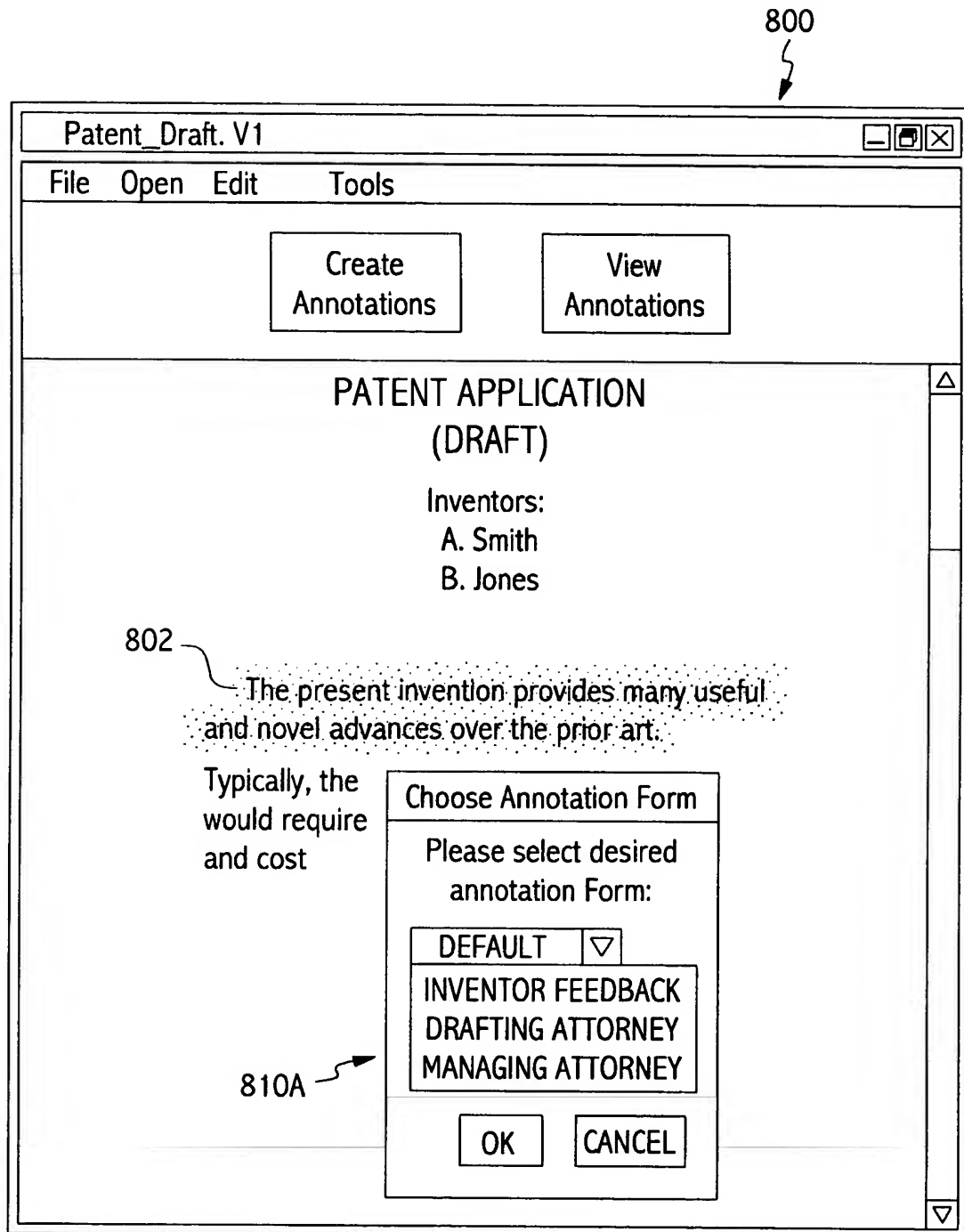


FIG. 8A

Patent_Draft. V1

FORM:

DEFAULT DATA OR DESCRIPTION:

Quality: ☐ Good ☐ Acceptable ☒ Marginal ☐ Poor

Keywords:

Comments:

810B

812B

814B

FIG. 8B

Patent_Draft. V1

FORM:

DEADLINE 01/01/01

FEEDBACK

Status: ☐ Good ☒ Acceptable ☐ Needs Revision ☐ Needs More Info

Patent Attorney: C. Moore

Inventor: A. Smith

Inventor Comments:

810C

812C

814C

FIG. 8C

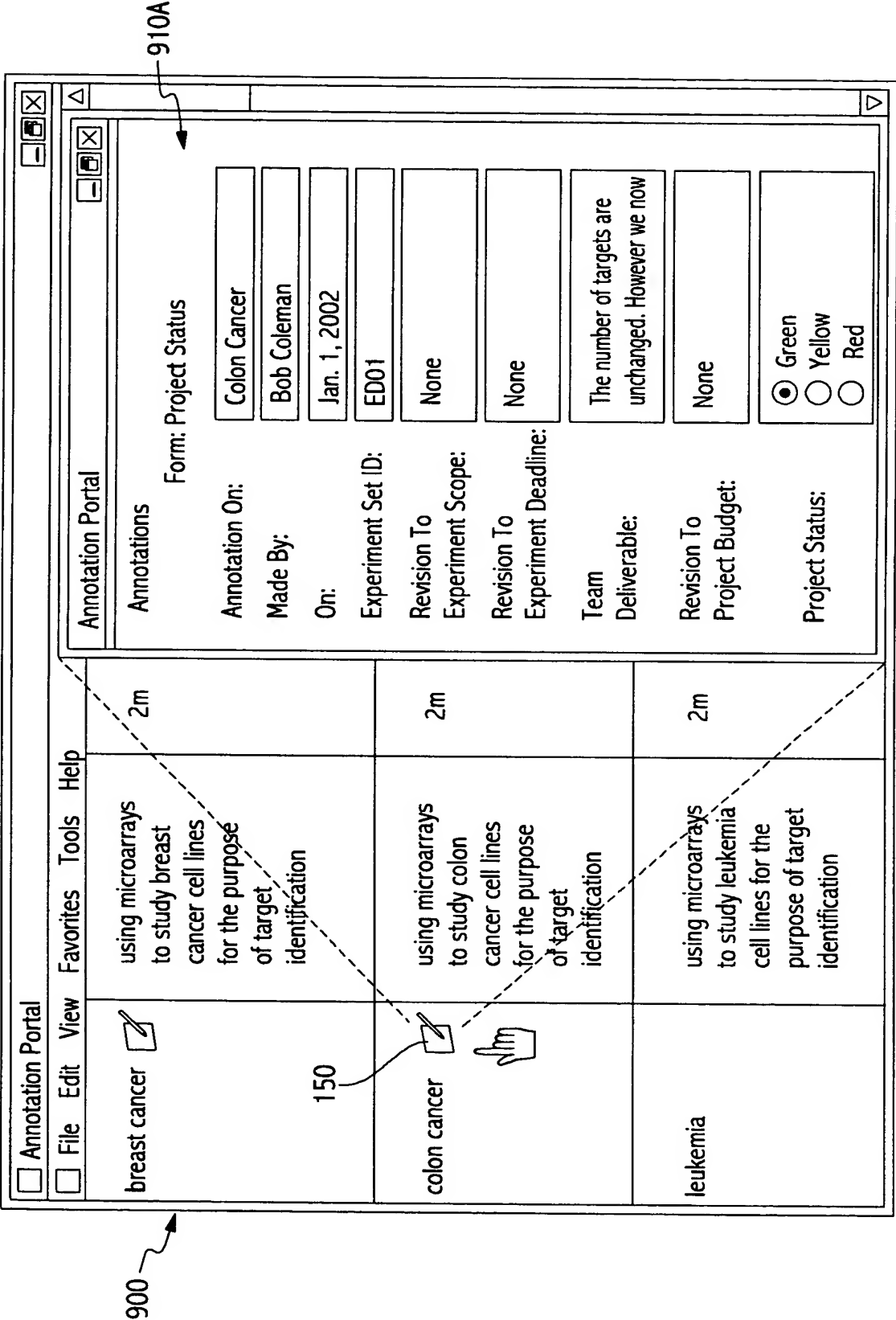


FIG. 9A

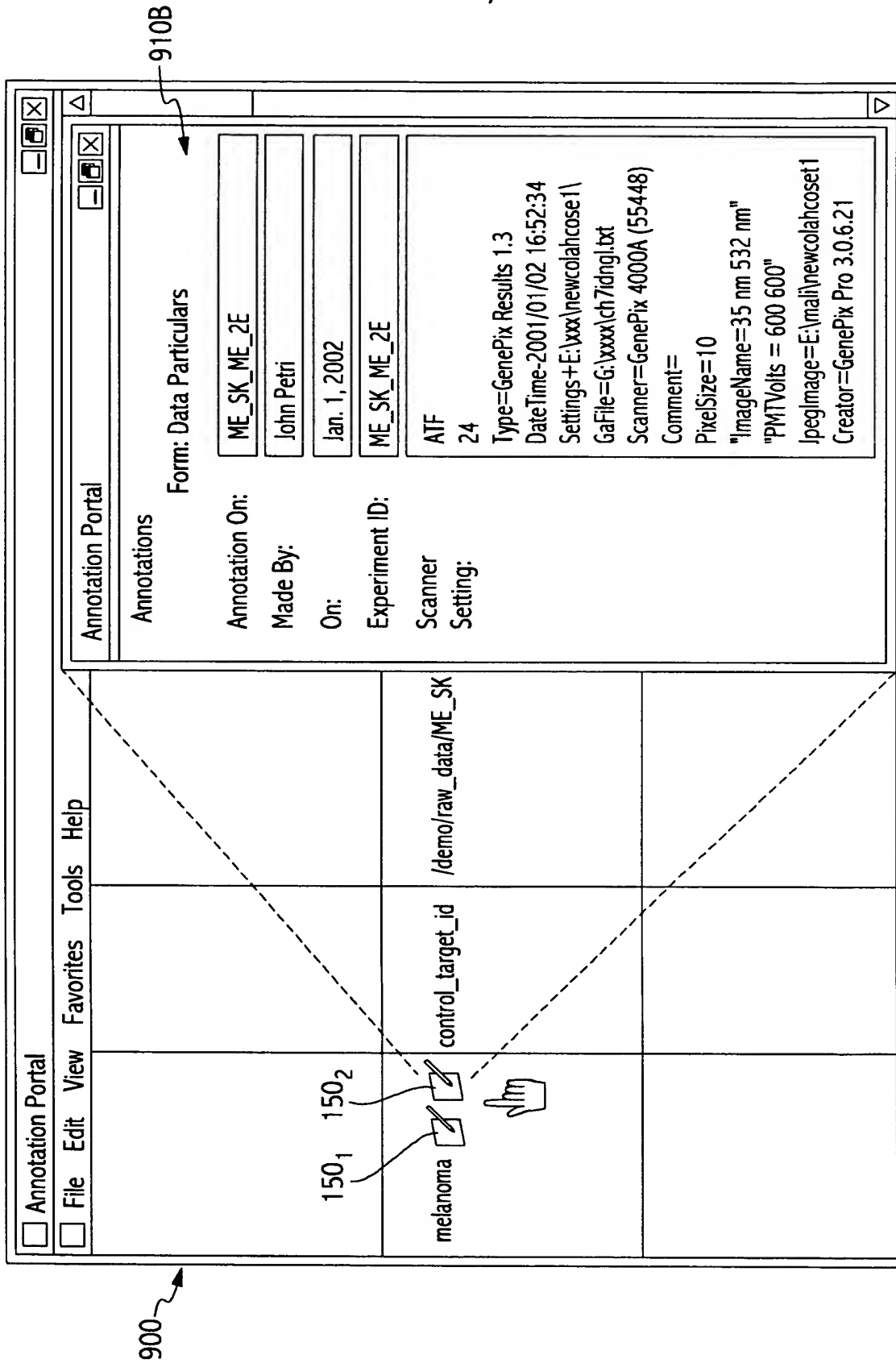


FIG. 9B

1040

Annotation Portal

File Edit View Favorites Tools Help

Home

Welcome

Annotation Rules

Annotation Browser

User: 1bata

Search: Unnamed

SEARCH CONDITIONS

ACTION

Delete

Delete

Add Condition

NOT

☐

AND

☐

(PROJECT_NAME = target_identificatio-01)

(Spotfire Row Relevance of Observation = Extremely High)

1042

1044

Group

Ungroup

Apply

Reset

OUTPUT

Change Data

Change Format

SEARCH

Run

Save

Show Query

Cancel

FIG. 10A

1000

The screenshot displays a software window titled "Annotation Portal" with a standard menu bar (File, Edit, View, Favorites, Tools, Help) and a toolbar. The main content area is divided into several sections: a "Welcome" message, "Annotation Rules", "Annotation Browser" (showing "User: 1bata" and "Search: Unnamed"), and a section titled "ADD A SEARCH CONDITION".

Under "ADD A SEARCH CONDITION", there are two main categories of search fields:

- SEARCHABLE DATA FIELDS:** This section contains five radio button options, each paired with a dropdown menu:
 - ☐ Project: PROJECT_ID
 - ☐ Column Name: PROJECT_ID
 - ☐ Experiment: EXPT_SET_NAME
 - ☐ experiment_set: EXPT_SET_ID
 - ☐ data_sets: PROCESS_ID
- SEARCHABLE ANNOTATION FIELDS:** This section contains five radio button options, each paired with a dropdown menu:
 - ☐ Annotation: Link ID
 - ☐ Annotation Data: GUID
 - ☐ Suggested Analysis Methods: Key
 - ☐ Reference Data: Key
 - ☐ Keyword Data: Key

At the bottom of the window, there are "Next" and "Cancel" buttons. A vertical scrollbar is visible on the right side of the window.

Reference numerals 1010 and 1020 point to the "EXPT_SET_NAME" dropdown in the "SEARCHABLE DATA FIELDS" section and the "Key" dropdown in the "SEARCHABLE ANNOTATION FIELDS" section, respectively.

FIG. 10B

1000

The screenshot displays a web-based application window titled "Annotation Portal". The interface includes a menu bar with "File", "Edit", "View", "Favorites", "Tools", and "Help". Below the menu is a "Home" button with a dropdown arrow. The main content area is divided into several sections: "Welcome", "Annotation Rules", "Annotation Browser" (showing "User: 1bata" and "Search: Unnamed"), and a large section titled "ADD A SEARCH CONDITION".

Within the "ADD A SEARCH CONDITION" section, there are two main panels:

- SEARCHABLE DATA FIELDS:** This panel contains five radio buttons for selecting a search type: "Project", "Column Name", "Experiment", "experiment_set", and "data_sets". To the right of each radio button is a dropdown menu. The selected "Project" option has a dropdown menu open, showing "PROJECT_ID". This panel is labeled with reference numeral 1010.
- SEARCHABLE ANNOTATION FIELDS:** This panel contains five radio buttons: "Annotation", "Annotation Data" (which is selected), "Suggested Analysis Methods", "Reference Data", and "Keyword Data". To the right of each radio button is a dropdown menu. The selected "Annotation Data" option has a dropdown menu open, showing a list of fields: "Link ID", "GUID", "Describe Gene", "Functional Theme in Cluster", "Spotfire Row Relevance of Observation" (highlighted), "Spotfire Row Comments", "Observation", and "Spotfire Row Relevance of Observation". This panel is labeled with reference numeral 1020, and the dropdown menu is labeled with reference numeral 1030.

At the bottom of the "ADD A SEARCH CONDITION" section are two buttons: "Next" and "Cancel".

FIG. 10C